

Contents of Volume 85, 1997

VOL. 85, NOS. 1–2

JUNE 1997

An improved tension-plate system for measuring first-stage evaporation under straw mulch W.J. Chen and M.D. Novak	1
Ozone deposition to a cotton (<i>Gossypium hirsutum</i> L.) field: stomatal and surface wetness effects during the California Ozone Deposition Experiment D.A. Grantz, X.J. Zhang, W.J. Massman, A. Delany and J.R. Pederson	19
Optics of vegetation: implications for the radiation balance and photosynthetic performance O. Anisimov and L. Fukshansky	33
Light transmission through condensation on glass and polyethylene J.G. Pieters, J.M. Deltour and M.J. Debruyckere	51
Interannual variations of rainfall and corn yields in Northeast Brazil V. Brahmananda Rao, L.D.A. Sá, S.H. Franchito and K. Hada	63
Estimating maize yield in northern Tanzania by adapting SIMCOY, a temperate-zone simulation model C.J. Lyamchai, T.J. Gillespie and D.M. Brown	75
An improved method for estimating surface humidity from daily minimum temperature J.S. Kimball, S.W. Running and R. Nemani	87
The geometry of the canopy of a dipterocarp rain forest in Sumatra J.-M.N. Walter and E.F. Torquebiau	99
Radiation absorption and use by humid savanna grassland: assessment using remote sensing and modelling X. Le Roux, H. Gauthier, A. Bégué and H. Sinoquet	117
<i>Erratum</i>	
Light-vegetation interaction: a new stochastic approach for description and classification [Agric. Forest Meteorol., 66 (1993) 93–100] O. Anisimov and L. Fukshansky	133

VOL. 85, NOS. 3–4

JULY 1997

Evaporation from an eastern Siberian larch forest F.M. Kelliher, D.Y. Hollinger, E.-D. Schulze, N.N. Vygodskaya, J.N. Byers, J.E. Hunt, T.M. McSeveny, I. Milukova, A. Sogatchev, A. Varlargin, W. Ziegler, A. Arneth and G. Bauer	135
The influence of the atmospheric boundary layer on carbon dioxide concentrations over a tropical forest A.D. Culf, G. Fisch, Y. Malhi and C.A. Nobre	149
Numerical study of a full-size free-air fumigation system Z.G. Xu, P.J. Walklate and A.R. McLeod	159
Modelling annual dynamics of soil water storage for agro- and natural ecosystems of the steppe and forest-steppe zones on a local scale Ye.M. Gusev and O.N. Nasonova	171
The effects of climatic change and CO ₂ fertilisation on agriculture in Québec M. El Maayar, B. Singh, P. André, C.R. Bryant and J.-P. Thouez	193
Radiation interception measurement in poplar: sample size and comparison between tube solarimeters and quantum sensors M. Sattin, R. Milne, J.D. Deans and P.G. Jarvis	209

Analysis of the efficiency of greenhouse ventilation using computational fluid dynamics	
A. Mistriotis, G.P.A. Bot, P. Picuno and G. Scarascia-Mugnozza	217
An analytical model for the prediction of nocturnal and dawn surface temperatures under calm, clear sky conditions	
P.I. Figuerola and N.A. Mazzeo	229
Measuring sap flow with the heat balance approach using constant and variable heat inputs	
J.F. Kjelgaard, C.O. Stockle, R.A. Black and G.S. Campbell.	239
Yield of barley under Mediterranean conditions of variable rainfall	
C. Metochis and P.I. Orphanos	251
Sensible heat and momentum flux measurement with an optical inner scale meter	
A.E. Green, K.J. McAneney and J.P. Lagouarde	259
Night-time greenhouse humidity control with a cooled wetness sensor	
I. Seginer and I. Zlochin	269
Over-winter changes in radiant energy exchange of a corn residue-covered surface	
T.J. Sauer, J.L. Hatfield and J.H. Prueger	279
<i>Erratum</i>	
Derivation of canopy resistance for water vapor fluxes over a spruce forest, using a new technique for the viscous sublayer resistance	
[Agricultural and Forest Meteorology 73 (1995) 339-352]	
N.O. Jensen and P. Hummelshøj.	289
<i>Contents of Volume 85, 1997</i>	291

